

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicants' amendments and arguments, filed on 2/20/2008, with respect to Claims 1-3, 5, 6, 8, 9 and 27-32 have been fully considered and persuasive. The 35U.S.C.103(a) rejection has been withdrawn.

### ***Allowable Subject Matter***

2. Claims 1-3, 5-19 and 27-35 are allowed.

3. The following is an examiner's statement of reasons for allowance.

- The prior art fails to teach an apparatus of Claims 1, 10 and 27 that specifically comprises the following:

-- The instant application is deemed to be directed to a non-obvious improvement over the admitted prior art of the instant application and the invention patented in Pat. No. US 6,597,299, US 6, 700,939, US 6,763,057 and US 7,346,136.

The improvement comprises:

With regard Claims 1, 10 and 27, "a timing generating unit coupled to the demodulating unit, the timing generating unit containing circuitry to generate samples of the demodulated signal at different timing offsets, wherein the timing generating unit comprises a pair of sample/hold circuits having inputs coupled to the output of the demodulating unit, and wherein a first sample/hold circuit produces an on-time sample of the demodulated signal and a second sample/hold circuit produces an early and a late

sample of the demodulated signal;" as recited in combination with other limitation in Claims 1, 10 and 27, respectively.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. Reference(s) US 6,597,299, US 7,346,136 are cited because they are put pertinent to the plurality of sample and hold circuits in a receiver. However, none of references teach detailed connection as recited in claim.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted M. Wang whose telephone number is (571) 272-3053. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-free).

/Ted M Wang/  
Primary Examiner, Art Unit 2611